

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/00551

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D1/72 C11D7/26 B01F17/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C11D B01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 882 038 A (CLAYTON EUGENE THOMAS ET AL) 6 May 1975 (1975-05-06) column 2, line 34 - column 4, line 42; claims	1-5,7
X	EP 0 620 270 A (COLGATE PALMOLIVE CO) 19 October 1994 (1994-10-19) cited in the application claims 1,5; example 1	1,5

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents :**

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "8" document member of the same patent family

Date of the actual completion of the international search

11 June 2003

Date of mailing of the international search report

05 11 2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Grittern, A.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP03/00551

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: **2 (IN PART)**
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

SEE SUPPLEMENTARY SHEET

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

CLAIMS: 1-4 5 (IN PART), 7-8 (IN PART), 10 (IN PART)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/00551

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3882038	A	06-05-1975	NONE
EP 0620270	A	19-10-1994	
		AU 671895 B2	12-09-1996
		AU 5794094 A	13-10-1994
		BR 9401459 A	25-10-1994
		CA 2120115 A1	13-10-1994
		EP 0620270 A2	19-10-1994
		FI 941663 A	13-10-1994
		GR 1002010 B	30-10-1995
		HU 69075 A2	28-08-1995
		JP 6306400 A	01-11-1994
		NO 941296 A	13-10-1994
		NZ 260144 A	26-10-1995
		PL 175122 B1	30-11-1998
		PT 101485 A	01-03-1995
		US 5750487 A	12-05-1998
		ZA 9402052 A	26-09-1995